





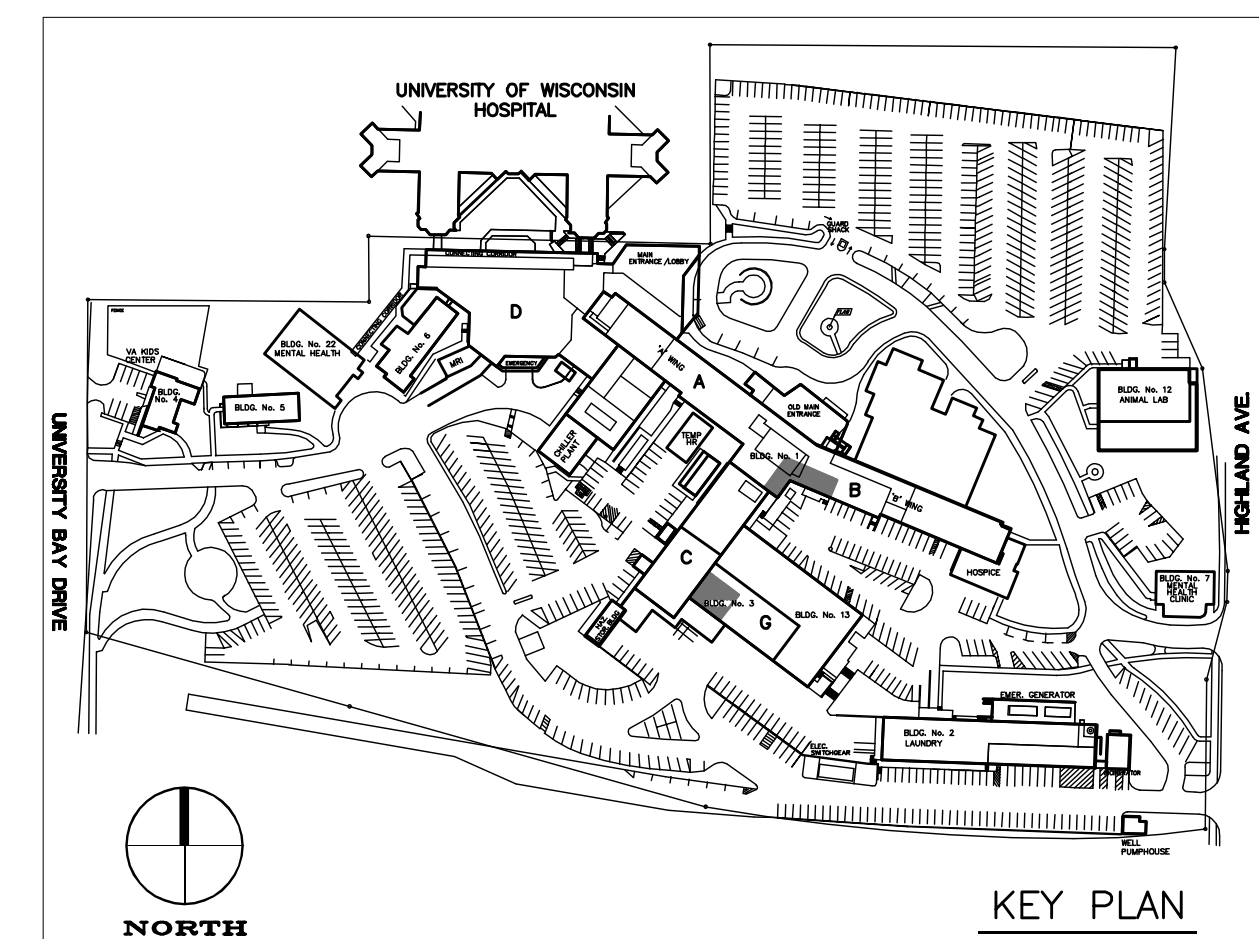
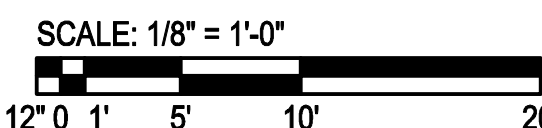
[illegible]

1. NEW PANEL DESIGNATED AS "XXX" SHALL BE LABELED WITH PERMANENT PROJECT LABEL AS PROVIDED BY VA PROJECT MANAGER. NEW PANEL SHALL NOT BE LABELED WITH "XXX" DESIGNATION.



SCALE: 1" = 20'-0"

SCALE: 1/8" = 1'-0"









A

B

C

D

E

F

A

B

C

D

E

F

three inches = one foot

one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot

one quarter inch = one foot

one eighth inch = one foot

one quarter inch = one foot

one eighth inch = one foot

one quarter inch = one foot

one eighth inch = one foot

A1030

A1029

EXISTING MV SWITCHGEAR  
E2001

EXISTING OIL FILLED  
TRANSFORMER T-14

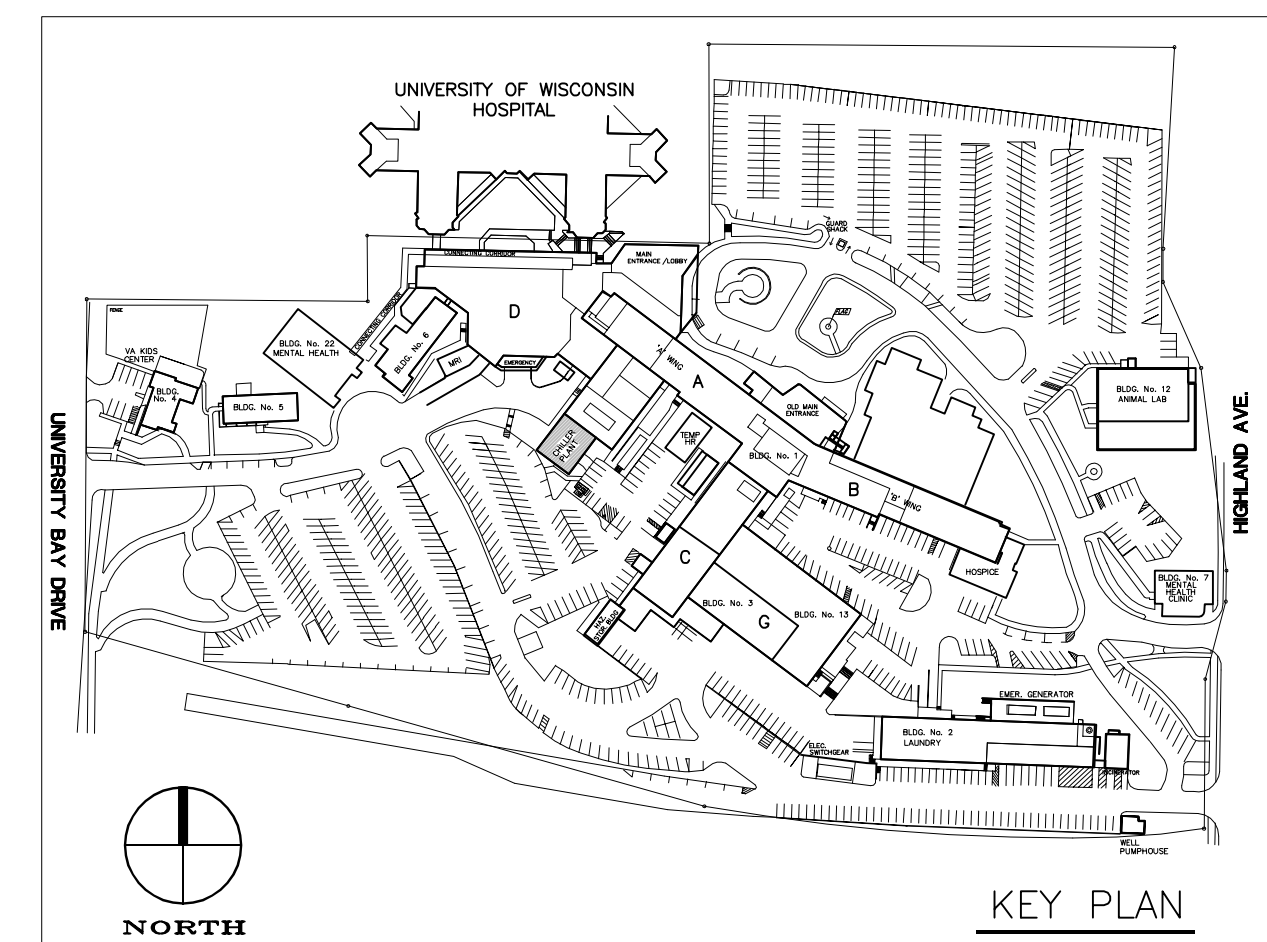
EXISTING SECONDARY  
TERMINAL SECTION.

DOWN TO GROUND FLOOR.  
CORE DRILL FROM BELOW.  
EXISTING LIFE SAFETY  
SWBD SECTION.

EXISTING GENERATOR.

1 MEZZANINE FLOOR PLAN - NEW WORK

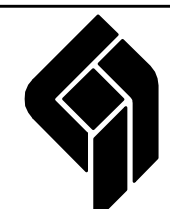
SCALE: 1/4" = 1'-0"  
12' 0' 1' 5' 10'



Dept. of Veterans Affairs  
Medical Center  
2500 Overlook Terrace  
Madison, WI, 53750



CONSULTANTS:



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PROJECT LEADER:



**CHEQUAMEGON BAY  
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Drawing Title  
**MEZZANINE FLOOR PLAN  
-ELECTRICAL NEW WORK**

Approved: Project Director

Project Title  
**Fire Protection System  
Replacement**

Location  
**Madison, Wisconsin**

Date  
**APRIL 16, 2012**

Checked By:  
**HEI**

Drawn By:  
**HEI**

Project Number  
**607-12-111**  
Building Number  
**1**

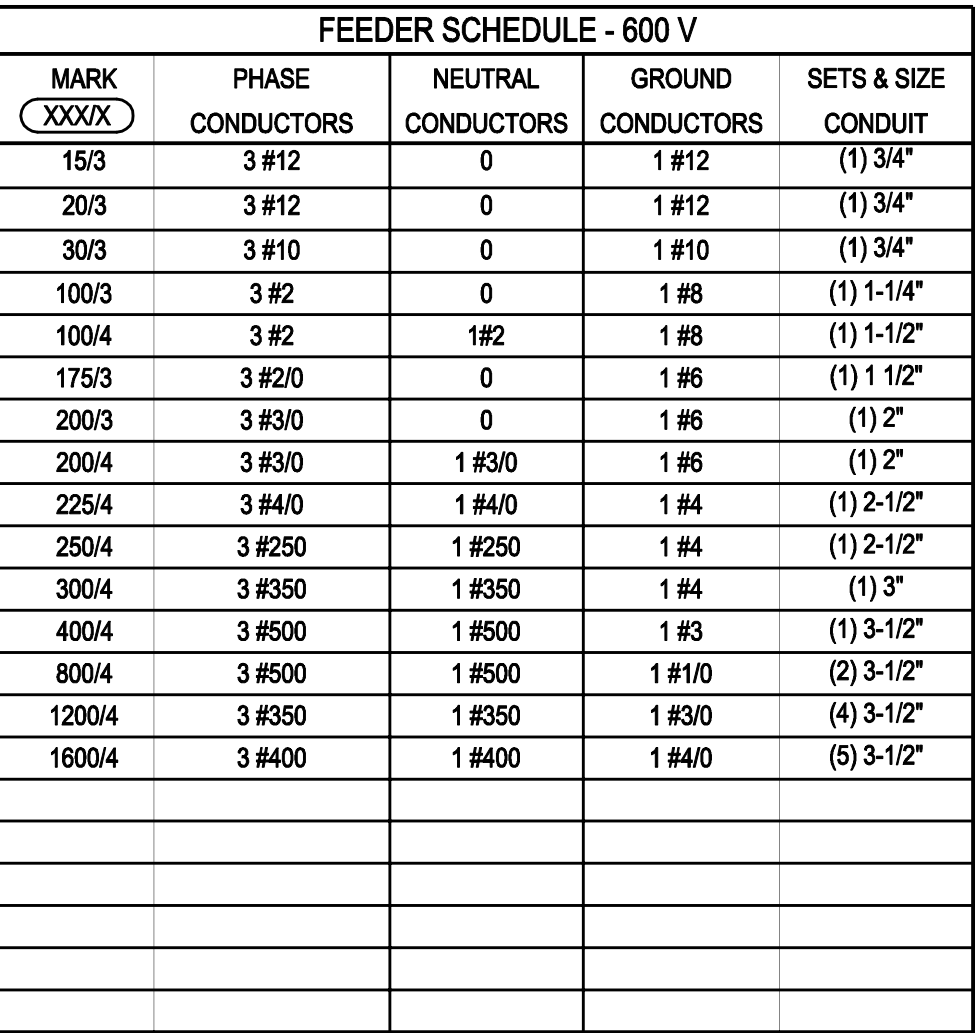
Drawing Number  
**E103**

Office of  
Facilities  
Management

Department of  
Veterans Affairs

100% CONSTRUCTION DOCUMENTS

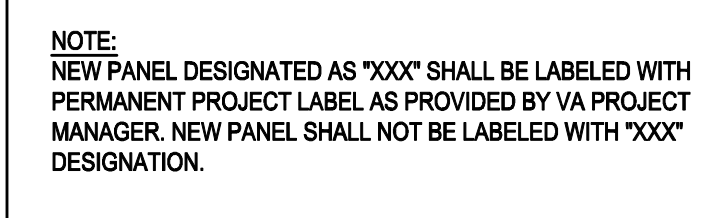




1 ONE-LINE DIAGRAM - NEW WORK  
NO SCALE

<b>FEEDER SCHEDULE - 600 V</b>					
<b>MARK XXXXX</b>	<b>PHASE CONDUCTORS</b>	<b>NEUTRAL CONDUCTOR</b>	<b>GROUND CONDUCTORS</b>	<b>SETS &amp; SIZE</b>	
				<b>CONDUIT</b>	
15/3	3 #12	0	1 #12	(1)	3/4"
20/3	3 #12	0	1 #12	(1)	3/4"
30/3	3 #10	0	1 #10	(1)	3/4"
100/3	3 #2	0	1 #8	(1)	1-1/4"
100/4	3 #2	1#2	1 #8	(1)	1-1/2"
175/3	3 #50	0	1 #6	(1)	1-1/2"
200/3	3 #50	0	1 #6	(1)	2"
200/4	3 #50	1 #30	1 #6	(1)	2"
225/4	3 #40	1 #40	1 #4	(1)	2-1/2"
250/4	3 #250	1 #250	1 #4	(1)	2-1/2"
300/4	3 #350	1 #350	1 #4	(1)	3"
400/4	3 #500	1 #500	1 #3	(1)	3-1/2"
800/4	3 #500	1 #500	1 #10	(2)	3-1/2"
1200/4	3 #350	1 #350	1 #30	(4)	3-1/2"
1600/4	3 #400	1 #400	1 #40	(5)	5-1/2"





DISCONNECT SWITCH AND STARTER SCHEDULE															CONDUIT & WIRE
MARK	LOAD	DISC SW	STARTER	VOLTS	PHASE	HP	VA	AMPS	SW	FUSE	NEMA SIZE	STR TYPE	NEMA ENCL.	CONTROL	CONDUIT & WIRE
FP-1	FIRE PUMP	DIV 22	DIV 22	480	3	75.0	79,718	96.0				NOTE 1			SEE ONE LINE DIAGRAM
PMP-1	PRESSURE MAINTENANCE	DIV 26	DIV 26	480	3	7.5	9,134	11.0	30.0	20.0	1.0	ACL		H-O-A	3#12,1#12 GND, 3/4".

16150